



MSDS No.: 622  
Revision No.: 004  
Revision Date: 04/11/00  
Page: 1 of 2

## MATERIAL SAFETY DATA SHEET

**Product name:** MC 800 Liquid Graffiti Remover  
**Description:** A noncorrosive solution for removing spray paint, markers, etc. from painted surfaces  
**Supplier:** Hilti, Inc. P.O. Box 21148, Tulsa, OK 74121  
**Emergency # (Chem-Trec.):** 1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (other countries)

## INGREDIENTS AND EXPOSURE LIMITS

Ingredients:	TLV:	PEL:	STEL:
Proprietary formulation consisting of:			
heterocyclic amide	NE	NE	NE
propylene glycol	NE	NE	NE
nonionic surfactant	NE	NE	NE
isopropyl alcohol	400 ppm	400 ppm	500 ppm
di-limonene	NE	NE	NE

**Abbreviations:** PEL = OSHA Permissible Exposure Limit. TLV = ACGIH Threshold Limit Value. STEL = Short Term Exposure Limit. NE = None Established. NA = Not Applicable.

## PHYSICAL DATA

<b>Appearance:</b>	Clear liquid.	<b>Odor:</b>	Orange peel odor.
<b>Vapor Density:</b>	>2 (Air = 1)	<b>Vapor Pressure:</b>	<1m bar @20°C / 68°F
<b>Boiling Point:</b>	185°C/365°F	<b>VOC Content:</b>	Not determined.
<b>Evaporation Rate:</b>	<1 (n-Butyl acetate = 1)	<b>Solubility in Water:</b>	Soluble.
<b>Specific Gravity:</b>	1.1	<b>pH:</b>	Approx. 7

## FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point:</b>	150° F / 65° C	<b>Flammable Limits:</b>	Not applicable.
<b>Extinguishing Media:</b>	Water spray, fog, CO <sub>2</sub> , Dry Chemical, Foam.		
<b>Special Fire Fighting Procedures:</b>	Soak packaging or cool with water spray. A NIOSH-approved self-contained breathing apparatus (SCBA) should be worn when fighting fires involving chemicals.		
<b>Unusual Fire and Explosion Hazards:</b>	Combustible liquid. Material will burn if exposed to fire. Thermal decomposition products can be produced under fire conditions. See below.		

## REACTIVITY DATA

<b>Stability:</b>	Stable.	<b>Hazardous Polymerization:</b>	Will not occur.
<b>Incompatibility:</b>	Can react with strong acids and strong oxidizing agents.		
<b>Decomposition Products:</b>	Thermal decomposition can yield CO, CO <sub>2</sub> , NO <sub>x</sub>		
<b>Conditions to Avoid:</b>	Avoid temperature extremes which could shorten the shelf-life of this product; i.e. below freezing and above 100° F. (See handling and storage requirements).		

## HEALTH HAZARD DATA

<b>Known Hazards:</b>	<b>Acute:</b> Eye irritation; possible skin irritation. <b>Chronic:</b> Prolonged and repeated exposure to the skin can lead to contact dermatitis (defatting, irritation, etc.).
<b>Signs and Symptoms of Exposure:</b>	<b>Eyes</b> - Can cause moderate irritation. Prolonged exposure can cause corneal opacity. <b>Skin</b> - Prolonged and repeated contact with the skin can cause irritation and possibly blistering. <b>Inhalation</b> - No effects expected due to the low volatility of this product. <b>Ingestion</b> - Effects of ingestion have not been determined but gastric disturbance and diarrhea are expected. Considered to have a low acute oral toxicity.
<b>Routes of Exposure:</b>	Dermal.
<b>Carcinogenicity:</b>	No ingredients are classified as a carcinogen by IARC, NTP or OSHA.
<b>Medical Conditions Aggravated by Exposure:</b>	Eye, skin, and respiratory conditions.

## EMERGENCY AND FIRST AID PROCEDURES

<b>Eyes:</b>	Flush with plenty of water. Call a physician if symptoms occur.
<b>Skin:</b>	Wash with soap and water if contact occurs. Seek medical attention if any effects persist.
<b>Inhalation:</b>	No effects expected. If discomfort occurs, move to fresh air.
<b>Ingestion:</b>	If conscious, give plenty of water to drink and induce vomiting. <u>Never</u> give anything by mouth to an unconscious person. Contact a physician immediately.
<b>Other:</b>	Referral to a physician is recommended if there is any question about the seriousness of the injury/exposure.

## CONTROL MEASURES AND PERSONAL PROTECTIVE EQUIPMENT

<b>Ventilation:</b>	General (natural or mechanically induced fresh air movements).
<b>Eye Protection:</b>	Safety glasses are recommended in most industrial settings. Wear chemical goggles if using pressurized spray equipment. Do not wear contact lenses.
<b>Skin Protection:</b>	Wear nitrile or neoprene gloves. If skin contact is likely or when using pressurized spray equipment, wear head and face protection as well as protective clothing and boots. Note: Clean equipment thoroughly after using.
<b>Respiratory Protection:</b>	Not normally required. Where ventilation is inadequate to control vapors, use a NIOSH-approved respirator with organic vapor cartridges. Never enter a confined space without an appropriate air supplied respirator.

## PRECAUTIONS FOR SAFE HANDLING AND USE

<b>Handling and Storing Precautions:</b>	Store in a cool dry area. Keep from freezing. Keep away from ignition sources such as hot surfaces, sparks and flames. For industrial use only. Keep out of reach of children. Use with adequate ventilation. Do not get into the eyes. Avoid prolonged or repeated contact with the skin. Practice good hygiene; i.e. wash after using and before eating or smoking.
<b>Spill Procedures:</b>	Spills may be slippery. Wear proper personal protective equipment (as described above). Take up with an absorbent material and place in a container for proper disposal in accordance with all applicable local, state, or federal requirements. Flush area with water to remove residue and reduce slip hazard.

## REGULATORY INFORMATION

<b>Hazard Communication:</b>	This MSDS has been prepared in accordance with the federal OSHA Hazard Communication Standard 29 CFR 1910.1200.
<b>HMIS Codes:</b>	Health 2, Flammability 1, Reactivity 0, PPE B
<b>DOT Shipping Name:</b>	Not regulated.
<b>IATA / ICAO Shipping Name:</b>	Not regulated.
<b>TSCA Inventory Status:</b>	Chemical components listed on TSCA inventory.
<b>SARA Title III, Section 313:</b>	This product contains 40 - 50% n-methyl-2-pyrrolidone which is subject to reporting under Section 313 of SARA Title III (40 CFR Part 372).
<b>EPA Waste Code(s):</b>	Not regulated by EPA as a hazardous waste
<b>Waste Disposal Methods:</b>	Consult with regulatory agencies or your corporate personnel for disposal methods that comply with local, state, and federal safety, health and environmental regulations.

## CONTACTS

<b>Customer Service:</b>	1 800 879 8000	<b>Technical Service:</b>	1 800 879 8000
<b>Health / Safety:</b>	1 800 879 6000	Steve Gerrard (x6309)	Jerry Metcalf (x6704)
<b>Emergency # (Chem-Trec):</b>	1 800 424 9300 (USA, PR, Virgin Islands, Canada); 001 703 527 3887 (Other countries)		

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